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FEBRUARY 02, 1999

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HOWREY & SIMON
ALBERT P. HALLUIN
BOX NO. 34
1299 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, D.C. 20004-2402

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100848894A*



07953-0004-944
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RECORDATION DATE: 10/06/1998

REEL/FRAME: 9497/0636
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:
CONTAG, PAMELA R.

DOC DATE: 09/18/1998

ASSIGNEE:
BENARON, DAVID A.

DOC DATE: 09/22/1998

ASSIGNEE:
CONTAG, CHRISTOPHER H.

DOC DATE: 09/18/1998

ASSIGNEE:
XENOCORPORATION
860 ATLANTIC AVENUE
ALAMEDA, CALIFORNIA 94501

SERIAL NUMBER: 08844336
PATENT NUMBER:

FILING DATE: 04/18/1997
ISSUE DATE:

9497/0636 PAGE 2

LAWAN FLETCHER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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100848894

EXPRESS MAIL NO. EL185308985US

Attorney's Docket No. 07953.0004.999

Form PTO-1595
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Pamela R. Contag; David A. Benaron; and Christopher H. Contag

Additional name(s) of conveying party(ies) attached? yes no

2. Name and address of receiving party(ies):

Name: Xenogen Corporation

Street Address: 860 Atlantic Avenue

City: Alameda State: California Zip Code: 94501

Country: USA

Additional name(s) & address(es) attached? yes no

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date(s): September 18 and 22, 1998

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No(s). 08/844,336

B. Patent No(s).

Additional numbers attached? yes no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: HOWREY & SIMON

Internal Address: Albert P. Halluin

Street Address: Box No. 34
1299 Pennsylvania Ave, N.W.

City: Washington State: D.C. Zip Code: 20004-2402

6. Total number of applications and patents involved
17. Total fee (37 C.F.R. § 3.41).....\$ 40.00 Enclosed Authorized to be charged to Deposit Account

8. Deposit Account Number: 08-3038

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Albert P. Halluin (Reg. No. 25,227)

Name of Person Signing

Registration No.

Signature

October 5, 1998

Date

Total number of pages including cover sheet, attachments and document 5

OMB NO. 0651-0011 (exp. 4/94)

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01 FC:581

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: Pamela R. Contag; David A. Benaron; and Christopher H. Contag the undersigned hereby sell(s) and assign(s) Xenogen Corporation, 860 Atlantic Avenue, Alameda, California 94501, USA (the Assignee) his/her entire right, title and interest

check applicable box(es) for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

in the invention(s) known as **BIODETECTORS TARGETED TO SPECIFIC LIGANDS** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on March 27, 1998 (also known as United States Application No. 08/844,336, filed April 18, 1997), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s)

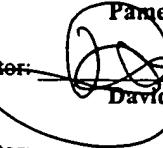
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Mark R. Buscher, Reg. No. 35,006
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Michael N. Haynes, Reg. No. 40,014
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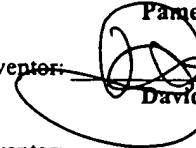
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Application Serial No. 08/844,336
Attorney's Docket No. 07953.0004.999

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: _____ Signature of Inventor: _____

Pamela R. Contag

Date: 22 Sept 98 Signature of Inventor: 
David A. Benaron

Date: _____ Signature of Inventor: _____
Christopher H. Contag

Date: _____ Signature of Inventor: _____

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: Pamela R. Contag; David A. Benaron; and Christopher H. Contag the undersigned hereby sell(s) and assign(s) Xenogen Corporation, 860 Atlantic Avenue, Alameda, California 94501, USA (the Assignee) his/her entire right, title and interest

check applicable box(es) for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

in the invention(s) known as **BIODETECTORS TARGETED TO SPECIFIC LIGANDS** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on March 27, 1998 (also known as United States Application No. 08/844,336, filed April 18, 1997), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

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The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s)

Jeffrey I. Auerbach, Reg. No. 32,680
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Thane Bauz, Reg. No. P41,604
Michael J. Bell, Reg. No. 39,604
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Application Serial No. 08/844,336
Attorney's Docket No. 07953.0004.999

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: 9/18/98 Signature of Inventor: Pamela R. Contag
Pamela R. Contag

Date: _____ Signature of Inventor: _____
David A. Benaron

Date: 9/19/98 Signature of Inventor: Christopher H. Contag
Christopher H. Contag

Date: _____ Signature of Inventor: _____

B x: Assignments
Date Mailed: October 6, 1998
EXPRESS MAIL NO. EL185308985US

(JDS)
Atty. Docket: 07953.0004.999

Applicants: Pamela R. Contag, et al..
Title: Biodefectors Targeted to Specific Ligands

Group Art Unit: 1815
Filing Date: April 18, 1997

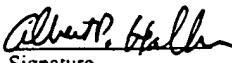
Application No.: 08/844,336
Examiner: Unassigned

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| Additional numbers attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HOWREY & SIMON Internal Address: Albert P. Halluin Street Address: Box No. 34 1299 Pennsylvania Ave, N.W. City: Washington State: D.C. Zip Code: 20004-2402 | 6. Total number of applications and patents involved 1 7. Total fee (37 C.F.R. § 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to Deposit Account |
| 8. Deposit Account Number: 08-3038 | |
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| Albert P. Halluin (Reg. No. 25,227) Name of Person Signing Registration No. |  Signature Date |
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